

SUN 1115/TUT-1015

ENGINE PERFORMANCE TEST REPORT

Customer Name _____ Phone _____ Date _____

Address _____ City/State _____ License _____

Make/Year/Model _____ Mileage _____ Mileage Since Tune-Up _____

Engine _____ Transmission—Auto ☐ Std ☐ Air Conditioning—Yes ☐ No ☐

Carburetor _____ Ignition Type _____ Air Pump—Yes ☐ No ☐ Converter—Yes ☐ No ☐

Reason For Tests _____ Tested By _____

TEST MODE	TESTS	READ	ENTER SPECIFICATIONS	TEST RESULT	GO	NO GO
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#1 CRANKING	COIL OUTPUT	SCOPE (DISPLAY)	KV (MIN)			
	STARTER CURRENT	AMMETER	AMPS (MAX)			
	BATTERY VOLTAGE	VOLTMETER	VOLTS (MIN)			
	ENGINE VACUUM	VACUUM GAUGE	STEADY			

#2 CHARGING	CHARGING SYSTEM	AMMETER	SHOWS CHARGE			
	DIODE STATOR	SCOPE (ALT)	EVEN RIPPLE			

#3 IDLE	RPM	TACHOMETER	RPM			
	DWELL	DWELL METER	DEGREES			
	INITIAL TIMING	TIMING LIGHT	DEGREES			
	CARBON MONOXIDE	CO METER	%			
	HYDROCARBONS	HC METER	PPM			
	ENGINE VACUUM	VACUUM GAUGE	INCHES			
	PCV	TACH. VACUUM GAUGE	RPM · VAC			

#4 1200 RPM LOW CRUISE	COIL POLARITY	SCOPE (DISPLAY)	VISUAL			
	SPARK PLUGS	SCOPE (DISPLAY)	KV			
	MAX COIL OUTPUT	SCOPE (DISPLAY)	KV (MIN)			
	SECONDARY INSUL.	SCOPE (DISPLAY)	VISUAL			
	SECONDARY RESISTANCE	SCOPE (RASTER SHIFT)	VISUAL			
	COIL, CONDENSER	SCOPE (RASTER SHIFT)	VISUAL			
	BREAKER POINTS	SCOPE (RASTER SHIFT)	VISUAL			
	CYLINDER TIMING	SCOPE (SUPER-CONV)	VISUAL			
	CARBON MONOXIDE	CO METER	%			
	HYDROCARBONS	HC METER	PPM			

#5 CYLINDER POWER BALANCE	ENGINE	TACHOMETER					BASE RPM				
	SHORTED RPM	1	2	3	4	5	6	7	8		

#6 SNAP ACCELERATION	SPARK PLUGS UNDER LOAD	SCOPE (DISPLAY)	KV (MAX)			
	ACCELERATOR PUMP ACTION	CO METER	% (MAX)			

#7 2500 RPM HIGH CRUISE	TIMING ADVANCE	TIMING LIGHT	DEGREES			
	DWELL	DWELL METER	DEGREES			
	CHARGING VOLTS	VOLTMETER	VOLTS			
	CARBON MONOXIDE	CO METER	%			
	HYDROCARBONS	HC METER	PPM			
	ENGINE VACUUM	VACUUM GAUGE	INCHES			

Sun DIAGNOSIS AND TRAINING GUIDE